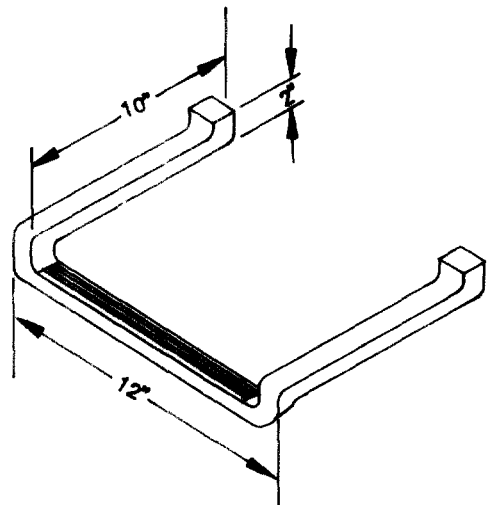
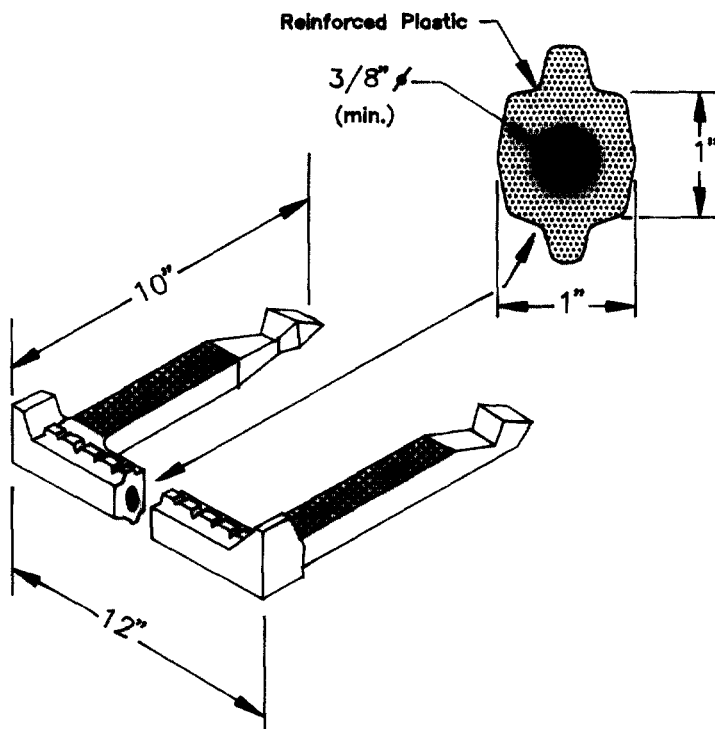


ALUMINUM STEP  
Item 711.30



FERROUS METAL STEP  
Item 711.13



POLYPROPYLENE STEP  
Item 711.31

NOTES :

1. Steps shall meet the requirements of ASTM C-478, and shall be installed with a uniform vertical spacing of 12" to 16".
2. Steps shall have a minimum cross sectional dimension of 1" for ferrous metal and 3/4" for aluminum.

MANHOLE  
STEPS  
DETAIL

CITY OF COLUMBUS  
DEPARTMENT OF  
PUBLIC UTILITIES  
DIVISION OF SEWERAGE & DRAINAGE

STANDARD  
CONSTRUCTION DRAWING

DR. CLJ	SHEET 1	FILE NO.
CK. _____	OF 1	AA-S119

*Stephen J. Salay*  
SEWER SYSTEM ENGINEERING MANAGER  
*James Francis*  
ADMINISTRATOR

12/15/93  
APPROVED  
REMOVED